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PHILOSOPHICAL TRANSACTIONS.

Monday, 08tob. 19. 1668.

The Contents.

The Variations of the Magnetick Needle, predicted for many years following. Extracts of three Letters; one, lately written by Monsieur De Bills, touching the true use of the Lymphatick Vessels; the second, written by Mr. Stafford from the Bermudas, concerning Tydes, Whales, Spermaceti, strange Spiders-Webbs; some Vegetables, and the Longevity of the Inhabitants of that Island; the third, written from Paris, about the polishing of Telescopical Glasses by a Turn-lathe; as also the making of an extraordinary Burning-glass at Milan. A Note concerning Empty Tubes formerly describ'd. Observations concerning Cochineel, accompanied with some Suggestions for finding and preparing (uch like substances out of other Vegetables. Queries concerning Vegetation, especially the Motion of the Juyces of Vegetables. Other Queries about the Use and Culture of the Kitchin-garden and Winter-greens. A suggestion for taking more notice, than hitherto hath been done, of the Fuyces of Trees, by Tapping. An Extract of a Letter from Dr. Nathanael Fairfax, about a Leaden Bullet voided by Vrine. An Account of Some Books: I. S. Hevelii COMETOGRAPHIA. II. Renati Des Cartes EPISTOL & sermone Latino. III. Scrutinium Chymicum VITRIOLI, Auth. Joh. Georgio Trumphio. IV. Francisci Dele Boe Sylvii PRAXIS MEDICAE Idea nova, Lib. I.

The Variations
of the Magnetick Needle predicted for many yeares fol-

lowing.

The Doctrine of the Magnet and Magnetical Motions is yet

fo obscure, that what hitherto hath been discoursed and written upon that Subject, proves very unsatisfactory to Men,

Tttt that

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that consider the various Phanomena and effects of that Body. Whence we presume, it cannot be un-acceptable to Philosophical Men, to be still furnisht with new conjectures, and fresh occasions, serving to excite new thoughts, and to make farther Inquiries concerning this matter. For which purpose we shall here communicate to the Curious a Table, directing them to make Observations for the future, whereby a certain Hypothesis is designed to be confirm'd, which an Intelligent Mathematician and Teacher of Navigation in England (Mr. Henry Bond) entertains, but thinks not yet fit to declare to the World: 'Tis by vertue of that Hypothesis, that he hath Calculated the following Table; shewing, How the Variations of the Magnetick Needle will fall out for the years therein specified; which he conceives to be now Wellward, and to have been so for some few years last past; whereas they were formerly Eastward. This Philosophical prediction is here made publick, to the end that Inquisitive Men may every where from time to time make Observations accordingly, either to verify or to invalidate the precended Theory.

The Table Follows.

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1		tion West.		tion West.
1		gr. Min		gr. Min.
I	663	1 56	1594	616
1	669	2 7	1695	6 25
1	670	2 18	1696	6 34
1	671	2 28	1697	6 43.
1	672	2 38	1698	6 52
1	673	2 49	1699	7 1
•	674	259	1700	7 10
11	1675	3 9	1701	7 19
1	676	319	1702	7 28
Į,	677	3 30	1702	7 36
ŀ	678	3 40	1704	7 45
1	679	3 50	1705	7 53
1	1680	4	1706	81
1	1881	4-10	1707	8 9
1	1682	4 20	1708	3 17
1	1683	4 30	1709	3 25
1	1684	4 40	1710	3 33
1	1685	4 50	1711	8 41
1	1686	5 0	1712	3 49
1	1687	5-10	1713	8 56
ı	1688	519	1714	9 4
Į	1689	5 2.)	1715	9
1	1690	5 39	1716	3 172
	1691	5 48.		1
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